



SEQUENCE LISTING

<110> Robl, James M.
Kuroiwa, Yoshimi
Tomizuka, Kazuma
Ishida, Isao

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Prion Protein Activity and Uses Thereof

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<141> 2003-11-10

<150> US 60/506,901

<151> 2003-09-26

<150> US 60/425,056

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 35 40 45
 Thr Ile Tyr Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg
 50 55 60
 Asp Asn Ala Lys Asn Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala
 65 70 75 80
 Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg Ile Thr Gly Asp Ala Phe
 85 90 95
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 35 40 45
 Tyr Asp Gly Ser Asn Gln Tyr Tyr Ile Asp Ser Val Lys Gly Arg Phe
 50 55 60
 Thr Ile Ser Arg Asp Asn Ser Lys Asn Met Leu Tyr Leu Gln Met Asn
 65 70 75 80
 Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg Asp Arg

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 35 40 45
 Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Arg Asn Asn
 50 55 60
 Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly
 65 70 75 80
 Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg Ser Glu Asp Glu Ala
 85 90 95
 Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser Leu Ser Gly Leu Phe Gly
 100 105 110
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ggctccagct caggaaacac agcttccttg accatcactg gggctcaggc ggaggatgag 300
gctgactatt actgtaactc ccgggacagc agtggttaacc atgtggtatt cggcggaggg 360
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Val Val Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu
20          25          30
Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr
35          40          45
Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val
50          55          60
Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser
65          70          75          80
Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln
85          90          95
Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly
100         105         110
Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
115         120         125
Pro Lys Ala Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser Glu Glu
130         135         140
Leu Gln Ala Asn Lys Ala Thr Leu Val
145         150

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atctcctgca agtctactca gagtctgaaa tatagtgatg gaaaaacctt tttgtactgg 180
cttcaacata aaccaggcca atcaccacag cttttgatct atgctgtttc cagccgttac 240
actgggggtc cagacagggt cactggcagt gggtcagaaa cagatttcac acttacgatc 300
aacagtgtgc aggtcgagga tgttgagtc tattactgtc ttcaaacaac atatgtccca 360
aatactttcg gccaaaggaa caaggtagag atcaaaaggc ctgatgctga gccatccgtc 420
ttctctttca aaccatctga tgagcagctg aagaccggaa ctgtctctgt cgtgtgcttg 480
gtgaatgatt tctaccccaa agatatcaat gtcaagtggg aagtggatgg gggtactcag 540
agcagcagca acttccaaaa cagtttcaca gaccaggaca gcaagaaaag cacctacagc 600
ctcagcagca tctgacact gccagctca gactacaaa gccatgacgc ctatacgtgt 660
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tag 723

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 <213> Artificial Sequence

 <220>
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 <210> 62
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 <400> 62
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 <210> 63
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 <220>
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 <400> 63
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 <210> 64
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 <212> DNA
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 <220>
 <223> Synthetic Primer

 <400> 64
 cctgggtata gacaggtggg tattgtgc 28

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 <220>
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 <400> 68
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 <400> 70
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<210> 77
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<400> 84
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<400> 85
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<210> 87
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<400> 87
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<400> 88
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<400> 89
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<400> 90
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<210> 91
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